

ABSTRACT OF THE DISCLOSURE

A sense amplifier is connected to a pair of bit lines to read/write data. A bit line equalizer equalizes the potentials of the pair of bit lines. A sense amplifier equalizer equalizes the potentials of two power supply nodes of the sense amplifier. The sense amplifier equalizer is constituted by two types of MOS transistors whose gate oxide films have different thicknesses. MOS transistors of one type are formed in a thick film type Tr area. MOS transistors of the other type are formed in a thick film type Tr area.